

AMENDMENTS TO THE CLAIMS

The claims in this listing will replace all prior versions, and listings, of claims in the application.

Claims 1-11 (Canceled)

12. (Currently Amended) A radio communication system comprising:

a first base station from which a handover starts;

a second base station at which the handover ends; and

a mobile station that combines a signal from the first base station and a signal from the second base station while the handover from the first base station to the second base station is in progress,

wherein both the first base station and the second base station measure a time difference between a transmission timing of a downlink signal and a reception timing of an uplink signal to determine a distance from the first base station and the second base station to the mobile station ~~based on a time difference between a transmission timing of a downlink signal and a reception timing of an uplink signal~~, and control power levels of the signals transmitted to the mobile station in accordance with the determined distance such that the first base station gradually reduces power levels of signals transmitted to the mobile station as the mobile station moves further from the first base station and the time difference increases, and the second base station gradually increases power levels of signals transmitted

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to the mobile station as the mobile station moves closer to the second base station and the time difference decreases, to keep the combined signal obtained in the mobile station at a desired quality level.

13. (Currently Amended) A base station for use in the radio communication system of claim 12, comprising:

a receiver that receives a transmission power control signal transmitted from the mobile station; and

a measurer that measures a time difference between a transmission timing of a downlink signal and a reception timing of an uplink signal; and

a transmission power controller that controls a transmission power level of a downlink signal, in accordance with the transmission power control signal, such that said transmission power controller determines a distance from the base station to the mobile station based on ~~[[a]] the time difference between a transmission timing of a downlink signal and a reception timing of an uplink signal, and the decreasing~~ transmission power level ~~decreases~~ as the mobile station moves further from the base station and the time difference increases.

14. (Currently Amended): A communication method comprising:

transmitting a signal from a first base station to a mobile station;

transmitting a signal from a second base station to the mobile station;

processing a handover from the first base station to the second base station; and

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combining the signal from the first base station and the signal from the second base station while the handover is in progress,

wherein the first base station and the second base station measure a time difference between a transmission timing of a downlink signal and a reception timing of an uplink signal to determine a distance from the first base station and the second base station to the mobile station ~~based on a time difference between a transmission timing of a downlink signal and a reception timing of an uplink signal~~, and control power levels of signals transmitted to the mobile station in accordance with the determined distance such that the first base station gradually reduces power levels of signals transmitted to the mobile station as the mobile station moves further from the first base station and the time difference increases, and the second base station gradually increases power levels of signals transmitted to the mobile station as the mobile station moves closer to the second base station and the time difference decreases, to keep the combined signal obtained in the mobile station at a desired quality level.